

10/356092

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THE FOLLOWING IS THE ENGLISH TRANSLATION OF THE
AMENDMENTS TO THE INTERNATIONAL PRELIMINARY
EXAMINATION UNDER ARTICLE 34:

Amended Sheets (page 10)

What is claimed is:

1. The use of microparticles hydrophobized with fluorosilanes or -siloxanes for producing surfaces which have self-cleaning properties and a surface structure with elevations which are formed by the microparticles, the surfaces produced having not only self-cleaning properties but also oleophobic, lipophobic and lactophobic properties,
characterized in that
the surface structure formed by the microparticles has elevations with a mean height of from 5 20 nm to 25 μ m and a mean separation of from 20 nm to 25 μ m, the microparticles having a particle diameter of from 0.02 to 100 μ m and having been hydrophobized with fluoroalkylalkoxysilanes.
- 10 2. The use as claimed in claim 1,
characterized in that
15 the microparticles are pyrogenic silica or precipitated silica particles hydrophobized with fluoroalkylalkoxysilanes.
3. The use as claimed in one of claims 1 and 2,
characterized in that
20 the surfaces are the surfaces of textiles, advertising media, awning materials, covering films, industrial nonwovens, items of clothing, outdoor clothing, rainwear, workwear, children's clothing, protective clothing, semifinished products, films or articles made of plastic.
- 25 4. An article with at least one surface with self-cleaning, hydrophobic, lipophobic, oleophobic and lactophobic properties,
characterized in that
they have been coated with the hydrophobized microparticles of claims 1 to 3.
- 30 5. The article as claimed in claim 4,
characterized in that
the article is a textile, an advertising medium, an awning material, a covering film, an industrial nonwoven, an item of clothing, outdoor clothing, rainwear, workwear, children's clothing, protective clothing, a semifinished product, a film or an article made of plastic.